

19980907.qrp v01_n207.qrs.980907

Date: Mon, 7 Sep 1998 19:03:33 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1207

QRP-L Digest 1207

Topics covered in this issue include:

- 1) [19510] Help! Identify solder
by dave_epps@juno.com
- 2) [19511] Re: ATTN: SGC 2020 Users (fwd)
by Monte Stark <ku7y@dri.edu>
- 3) [19512] Pre-Hamfest magazine sale!
by Richard Powell <ripowell@mpna.com>
- 4) [19513] Re: Basic Transistor Modeling In Solid State Design
by neil <neil@aade.com>
- 5) [19514] 17 Metres is *jumping*
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 6) [19515] RE: 15 meters QRP EXCELLENT
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 7) [19516] UTC
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 8) [19517] Frequency multipliers
by Roger Braker <msebrakr@telepath.com>
- 9) [19518] Re:morse code as a foreign language
by Roger Braker <msebrakr@telepath.com>
- 10) [19519] Re: Index ++ on SSB, low audio
by "George T. Baker" <w5yr@swbell.net>
- 11) [19520] Man, never thought I'd need a checklist
by bob evinger <revinger@marshallonline.com>
- 12) [19521] "The Buro"?
by mikemo@ibm.net
- 13) [19522] Need help with *new* rig... TenTec
by KF4EIB@aol.com
- 14) [19523] Test Do not Read (waste ur time)
by Joel Denison <jdenison@morelr.com>
- 15) [19524] Re: Polyvaricon Capacitor
by Dave Willey <dave@cds1.net>
- 16) [19525] MORE ON HIDDEN ANTENNAS
by ARDUJENSKI@aol.com
- 17) [19526] Norcal Meeting - Freebie - Information
by Dave Fifield <fifield@pacbell.net>
- 18) [19527] Labor Day QRP Contests & QRP DX
by jaywa5whn@juno.com
- 19) [19528] Re: Norcal Meeting - Freebie - Information

- by "Doug Hauff" <slmachco@fix.net>
- 20) [19529] AADE L/C Meter IIB Notes de AL7FS (very long)
by "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
- 21) [19530] Re: Need help with *new* rig... TenTec
by "david r" <elbc@pivot.net>
- 22) [19531] NA Sprint at 30 mWatts
by wd3p@juno.com (Larry Cahoon)
- 23) [19532] FS Vibroplex BUG
by W3AWqrp@aol.com
- 24) [19533] FS MFJ MORSE KEYBOARD KEYER
by W3AWqrp@aol.com
- 25) [19534] 17 meters @ 1500 UTC Sept. 7
by jaywa5whn@juno.com
- 26) [19535] SCV update
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 27) [19536] Re: AADE L/C Meter IIB Notes de AL7FS (very long)
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 28) [19537] Re: Louisville, Ky., WTB NOW! QRP or QRO
by "Allan K. Davis" <allandavis@mindspring.com>
- 29) [19538] TS-50 QRP
by wd3p@juno.com (Larry Cahoon)
- 30) [19539] ARRL's new 'zine has QRP items
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 31) [19540] Re: SMD parts source
by Lee Hopper <leehop@uswest.net>
- 32) [19541] Latest QRP radios?
by JCoote@aol.com
- 33) [19542] Re: UTC
by Bob Hightower <ki7mn@dancris.com>
- 34) [19543] Re: TS-50 QRP
by "George T. Baker" <w5yr@swbell.net>
- 35) [19544] K2 QSK characteristics ?
by Mike Manship <mjmanship@iquest.net>
- 36) [19545] Items for sale
by marion@montana.com
- 37) [19546] Re: Strange deletion in AADE L/C Meter IIB Notes
by "Jim Larsen (AL7FS)" <larsennnc@alaska.net>
- 38) [19547] Re: TS-50 QRP (adjustment)
by "Radman" <radman@best.com>
- 39) [19548] Kits have been sold
by w7cd@juno.com (Robert L Farnworth)
- 40) [19549] Re: MORE ON HIDDEN ANTENNAS
by w4bws@juno.com (Donald E Sanders)
- 41) [19550] Re: Strange deletion in AADE L/C Meter IIB Notes
by we6w@juno.com
- 42) [19551] Contest times today???
- by we6w@juno.com
- 43) [19552] Index low audio, THANKS!!

by "Beaks" <beaks@westco.net>

44) [19553] Contest info for Ed and others
by "Harvey D. D. Hetland" <n6mm@earthlink.net>

45) [19554] Elmer101: SW30+ Tuning range, T1 peaking & Offset = Fixed
by "Adam B. Kanis" <adam-kanis@uiowa.edu>

46) [19555] Re: Contest times today???
by we6w@juno.com

47) [19556] ts570D help-tnx
by "Jeff M. Gold" <JGold@tntech.edu>

48) [19557] Low Power Communications Vols 1-3 Now Out of Print!
by k7sz@juno.com (Rick Arland)

49) [19558] Re:humor
by Roger Braker <msebrakr@telepath.com>

50) [19559] JUNO QRT Me Soon!
by we6w@juno.com

51) [19560] Contests
by "Beaks" <beaks@westco.net>

52) [19561] FS: New Tennatest R.F. Bridge
by "Paul Christensen" <paulc@mediaone.net>

53) [19562] Need O'scope recommendations
by "Paul Helbert, Wv3j" <phelbert@rica.net>

54) [19563] For Sale: Unbuilt, Unopened Heath Code Oscillators
by RobCap@aol.com

55) [19564] Re: [QRP] Low Power Communications Vols 1-3 Now Out of Print!
by Jim Lowman <jmlowman@ix.netcom.com>

56) [19565] HomeBrew SW?
by Tracy@bytemark.com (Tracy)

57) [19566] Re: Kenwood Service Help
by Mike - W0TMW <crucis@sky.net>

58) [19567] Re: K2 QSK characteristics ?
by Jay Bromley <w5jay@alltel.net>

59) [19568] Elmer 101: SW40+ L3 and L4 question(long) de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>

60) [19569] Re:humor
by Roger Braker <msebrakr@telepath.com>

61) [19570] Re: Elmer 101: SW40+ L3 and L4 question(long) de AL7FS
by "Jim Larsen (AL7FS)" <larsennc@alaska.net>

62) [19571] Re: Elmer 101: SW40+ L3 and L4 question(long) de AL7FS
by "Paul Helbert, Wv3j" <phelbert@rica.net>

63) [19572] RE: Need O'scope recommendations
by Denton Bramwell W7DB <Denton@Bramwell.Org>

64) [19573] MI Labor Day Sprint
by Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>

65) [19574] Antenna stuff & un hombre muy viejo con alas enormes
by nilsbull@juno.com (Nils R Young)

66) [19575] HF FREQUENCY METER
by "Juan David Zuloaga" <hk4bmg@epm.net.co>

67) [19576] MI QRP TEST

by Lisa Osier <osier@northnet.org>

Date: Sun, 6 Sep 1998 16:01:36 -0700
From: dave_epps@juno.com
To: qrp-l@Lehigh.EDU
Subject: [19510] Help! Identify solder
Message-ID: <19980906.160143.4062.2.dave_epps@juno.com>

Kester "44" resin core solder. Alloy Sn 60. Core 66.
What does alloy Sn 60 and Core 66 indicate?
dave ab5pc morro bay, ca.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 6 Sep 1998 16:54:38 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19511] Re: ATTN: SGC 2020 Users (fwd)
Message-ID: <Pine.SOL.3.96.980906165311.27598B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am forwarding this for John.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

Date: Sun, 6 Sep 1998 18:50:30 EDT
From: TRM3630BOL@aol.com
To: ku7y@dri.edu
Subject: Re: ATTN: SGC 2020 Users

Hi Ron,

I'm in Minneapolis and using my brother's computer, so I can't post to qrp-l. I can't keep from replying to the attached post. Could you possibly post it for me?? I'll be back home this weekend (hoping to stop and see Bill Carver on the way).

73,

John, K6QQ

-----Original Message-----

From: Ed Tanton <n4xy@att.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Date: Friday, September 04, 1998 7:38 PM

Subject: ATTN: SGC-2020 OWNERS

>>The SGC-2020 is a fine rig. It has many excellent features and qualities.
>>The original SGC-2020 was defective .

>Good luck, Ed. Let me go out on a limb here. From the look and price of
>their equipment and from the way they are treating their customers (in this
>case), I'd be willing to bet that 95% of their income comes from the
>military or some form of government contract.

Nope. At least the last time I talked to Pierre, the majority of their sales were to third world countries that can't afford the radios that Harris, Rockwell and the first rate companies make. It's a good niche market. My last employer before retirement (Datron) did the same thing.

> A lot of people in the military and federal government will just say,
>"Is it mil spec?"

As far as I know, *nothing* SGC makes is "mil-spec". They make inexpensive, mechanically rugged radios with far less than state-of-the-art performance. There is nothing wrong with that! It is just that I'm tired of hearing people say that SGC is top of the line mil-spec equipment. It just ain't so.

> In other words, SGC and other military/government contractors are use to
>dealing with people in the military/government manner. This is standard
>business practice for SGC. This is how they do it, and this is how they've
>always done it, BUT...here come the hams.

Nope. Again, see above. Their radios are built to better than consumer goods standards. They are burned in before shipment. Their "manuals" are far below

what is required for U.S. mil-spec use (although they do sell to some government agencies that don't require mil-spec).

> Let's say that I'm right about this 5% sold to hams or whoever. I'd bet
>that if you called SGC and asked em' who gave them the most trouble, it
>would be...drum roll... hams. Why? Because we are a technical community and
>know when we're getting screwed, and this is our personal cash on the line.

Absolutely!

> There is another side to this, of course. SGC builds mil-spec rigs.

Again, not so (at least in the main).

> Let's just say that SGC is a ham-rig manufacturing company with a
>government mil-spec attitude and leave it at that.

Not quite!

Now, how do I get to be an authority on this subject? Twice I have turned down job offers from Pierre (President and sole owner of SGC). I have been in his factory several times, and know several other engineers who have worked for him. I was asked to be Project Engineer for the 2020, and declined.

I'm not saying that SGC is doing anything wrong, quite to the contrary. Rockwell sure couldn't offer a rig like the 2020 for anything near the price. Just don't expect to get a state-of-the-art mil-spec radio for that price from a company that is in a cut-throat price-sensitive market.

72,

John, K6QQ

k6qq@hdo.com

Date: Sun, 06 Sep 1998 20:55:30 -0400
From: Richard Powell <ripowell@mpna.com>
To: qrp-1@Lehigh.EDU
Subject: [19512] Pre-Hamfest magazine sale!
Message-ID: <1.5.4.32.19980907005530.0069a614@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Local hamfest coming up in Cincinnati, Sept 20. but figured I would give the list a shot first....

I have the following magazines for sale.
All in at least good condition, except as noted.
Price includes shipping.

QST:

(\$6 each) 51 total

1960 - Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec. (whole year)

1962 - Jan, Feb, Mar, Apr, May, June, July, Aug, Sept, Oct, Nov, Dec. (whole year)

1963 - Jan, Feb, Oct, Nov, Dec.

1964 - Jan, Feb, Apr.

1966 - Dec.

1967 - Jan, Apr, May, June, July, Aug, Sept, Oct, Dec.

1968 - Jan.

1969 - Jan.

1971 - Oct.

1972 - Jan, Feb, Apr, May, July.

1973 - Feb.

(\$5.00 each) 26 total

1990 - Mar, Apr, May, July, Aug, Sept, Oct, Nov, Dec.

1991 - Jan, Feb, Mar, Apr, May, June, Aug, Sept, Oct, Nov, Dec.

1992 - Jan, Feb, Mar, Apr, May, June.

(\$4.00 each for the following, except as noted)

CQ:

1958 - July. (\$7.00)

1966 - Aug. (\$6.00)

1971 - Aug. (\$6.00)

1987 - Apr (fair).

1989 - Apr.

1990 - Apr.

1991 - Feb, Apr, Dec.

73:

1990 - Apr, May, June, Sept(fair), Oct, Nov.

1991 - Jan, Feb, May.

Ham Radio:

1973 - Apr. (\$6.00)

1987 - Dec.

1988 - Mar.

1989 - Aug.

Popular Electronics:

1989 - Oct.

1990 - Dec.

Modern Electronics:

1990 - Aug, Sept, Oct.

1991 - Jan.

Electronics Handbook Vol 8, Published by C&E Hobby Handbooks, 1990.

Electronic Musician 1993 Jan.

Popular Communications 1991 Feb.

Mac User 1990 Dec.

Camcorder Magazine 1991 Feb.

PC Laptop Magazine 1991 Aug.

Keyboard Magazine 1993 Apr.

Midnight Engineering 1991 Mar/Apr (one issue).

Allied (Radio Shack) Modern Dictionary of Electronics 1000th store
commemorative edition
published in 1970. (\$20)

73

/rick

wb6jbm

ripowell@mpna.com

-

Richard Powell WB6JBM TENTEN - 13044

Senior Network Engineer, Belcan IT Division

MCSE, CNA.

ripowell@mpna.com <http://www.mpna.com/ripowell>

Date: Sun, 06 Sep 1998 17:28:16 -0700

From: neil <neil@aaade.com>

To: SBillingsley@usaninc.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19513] Re: Basic Transistor Modeling In Solid State Design
Message-ID: <35F328A0.1D6D0A6E@aaade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was about to put up a book on ebay, but if anyone is interested here they can have it for \$25.

Semiconductor Device Modeling with SPICE
by Giuseppe Massobrio and Paolo Antognetti

New condition

--
Neil
<http://www.aaade.com>
<mailto:neil@aaade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Sun, 6 Sep 1998 20:44:11 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [19514] 17 Metres is *jumping*
Message-ID: <199809062047_MC2-5896-E5DA@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Happened to tune into 17 Metres about 2130 and DX is jumping. Worked Andy Y03AC, Bert 9H1AL, ZA0IS, Igor EU1TT, Alfo HC5AI, Tony XE2/NR70 and Jose TI2PZ one right after the other. Wow. Guess some might not find this rare DX, but gotta say it was thrilling for this OF :-).

Setup = Omni VI+ at 4 watts to a brand new HB Inverted WYE mounted on a ground-mounted SD-20 fishing pole (2 counterpoises). Tuner = LDG QRP tuner. Paddle = Whiterook MK-88.

Good luck one and all and have a safe weekend. See everyone tomorrow evening for the MI Sprint!

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 6 Sep 1998 21:05:53 -0300
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@Lehigh.EDU>
Subject: [19515] RE: 15 meters QRP EXCELLENT
Message-ID: <01bdd9f3\$47a94d80\$07199e03@inforhc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HI ! As predicted by our propagation gurus...
Solar flux above 150 did the job.. worked many stations on
15 meters while running QRO (HORROR . should not mention
this here !!! at 50 watts 10 dB above QRP...
But this was testing an amplifier and supply... then went
down to 5 watts ... and worked several europeans starting
at around 21 UTC...
Frequency 21.060 and whereabouts
Also worked USA and Canada stations...
Band noise level was a bit above my "normal" background...
Also practiced a bit with my "NEW" ' MOUSE KEY ' , took
a little time to be able to send OK, but after testing different
ways of doing it, I found the most comfortable one for sending
at about 15 wpm...
The "MOUSE KEY" seems to work very well... nice , clean
keying, and has two more microswitches built in (it was a
3 buttons mouse) so have the replacement built in...
PRoblem NOW is that little OLGA, my wife Olguita came in
while I was finnishng soldering the shielded cable to the
microswitch

and said ///" Hey Arnie, there is enough space inside that big MOUSE, that I am sure you can build a nice little QRP PIXIE inside.... BIG PROBLEM... because she was right... It fits... so maybe by next week you will hear the MOUSE-PIXIE or PIXIE-MOUSE combo... transceiver and key all enclosed inside the MOUSE !!!
BTW... the mouse key is an excellent project for beginners... will help them get started practicing CW without having to buy an expensive and in some countries really difficult to find morse code key !!!
See you all on 15 if it holds for the next 48 hours !

Arnie Coro
C02KK
inforhc@mail.infocom.etecsa.cu
Phone: 53 -7 - 814243

Date: Sun, 06 Sep 1998 21:18:03 -0400
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19516] UTC
Message-ID: <35F3344B.DC1C2459@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got hasty with the delete key. Yesterday someone asked how to convert UTC to his home time which I believe was Pacific Daylight Time. Try this URL
<http://www.meteor.wisc.edu/~hopkins/aos100/z-time.htm>

The Bureau of Standards also has a nice booklet on the subject of time and time keeping. (Just ask my kids. I used to read it to them at bed time.)

Glad folks feel they can ask most anything here.

Paul, Wv3j

Date: Sun, 6 Sep 1998 21:41:29 -0500 (CDT)

From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [19517] Frequency multipliers
Message-ID: <199809070241.VAA09185@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
In the procces of working on my 6 meter xcvr, I find myself in need of a frequency multiplier circuit. What I need to do is multiply 17.21 MHZ by 2 to get 34.42mhz. There are several ones in the ARRL handbook on page 17.53 of the trancievers chapter but they have no info on component values. Can anybody tell how to figure them out or give me good info on other frequency multipliers(like on the web. I don't have any of the RF design, QRP power or those books. Got to get those soon:-)). Thanks a lot guys. The 6 meter project is comeing along fine but I'm kinda stuck when it comes to this part. When I get done with it, I'll post schematics on my web site with documentation. See ya all later.

73,
Arnold kd5ckh

Date: Sun, 6 Sep 1998 21:43:56 -0500 (CDT)
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [19518] Re:morse code as a foreign language
Message-ID: <199809070243.VAA09544@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
I'de like to thank everbody who gave me info on wheather or not morse cod e would count as a foreign laguage or not. Most thought no, but a few thought it would. I decided to go ahead and take the course any way:-) I think I'll take french or latin. Thanks for all the info.

73,
Arnold kd5ckh

Date: Sun, 06 Sep 1998 21:44:28 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: beaks@westco.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19519] Re: Index ++ on SSB, low audio
Message-ID: <35F3488C.980FC0A2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It sounds like your rig is working just like it should, based on the meter readings you quoted. It is very typical for the usual male voice to talkup a SSB transmitter to only about 20% (or less) of its key-down or "whistle" (single tone) output. The ratio of peak to average power in an SSB signal is in the order that you are seeing. Theoretically, it is 14 db for the average male voice at audio baseband and 17db when converted to SSB. In any event your output signal should/must sound clean on a monitor receiver. If it is raspy then you have a problem that will have to be corrected before you can be concerned about meter readings.

If you want higher meter readings (higher average power output) AND a clean output signal, then the only creditable way to achieve that is with r-f speech clipping and filtering. The key here is that you want to get the average power increase with minimal distortion. It has been shown over the years that only r-f clipping and filtering will do that. Soft clipping - cllled r-f compression in the spec sheets - helps a little, but audio clipping is absolutely out. The inband distortion products it creates actually detract from readability even though the meters read happily higher. Audio processing works with AM, but not with SSB.

A lot of work was done in this general area, by myself and others, back in the 70's, especially Collins Radio. It is no coincidence that no Collins SSB radio to my knowledge uses audio speech clipping/filtering. Their amateur SSB products evidently did not offer r-f processing due to the costs. But, several r-f processing add-on i-f units came out in the 70's for Collins S-Line and Drake C-Line transmitters, in addition to the Comdel and Vomax outboard processors.

"There ain't no free lunch!"

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE
QRP-L QRP-ARCI FISTS NORCAL ARS 10-X ICQ 16819496

Beaks wrote:

>
> Hi gang,
> Anyone know how to get some more "talk power" out of the Index for SSB? I
> have the ++ without the gain pot for audio and on SSB I can only get about
> 1.5 watts out on voice peaks. It will "whistle up" to a full 5 though.

Date: Sun, 6 Sep 1998 21:46:08 -0500 (EST)
From: bob evinger <revinger@marshallonline.com>
To: qrp-1@Lehigh.EDU, wvara@qrp.com
Subject: [19520] Man, never thought I'd need a checklist
Message-ID: <Pine.LNX.3.96.980906213956.636A-100000@WD9EKA.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Boy I never thought I would need a checklist before firing up
the radio but after today. I guess I better write one up.
When I get in my plane I have a checklist but not for my radios.

I worked a Massachusetts station this afternoon on 20 running
pactor and I was running about 3 watts out. He gave me a really good
report but his signal just wasn't that great. Then I go to 17 meters and
here lots of dx but all
awful weak for the number of stations they seem to be working.
And then I see it, my 690 has a attenuator on the front. The button
was depressed, that blasted attenuator will take an s9 signal down
to an s2. I don't know how long it had been pushed in but I suspected
a very cute blonde 3 year old was probably responsible. And
I wondered why the bands seemed deader than they should have been.

Oh well, live and learn. I probably won't forget to double check
the switches for a while.

72
bob

Bob Evinger		19250 N. Livingston Road		revinger@marshallonline.com
WD9EKA		Marshall, IL 62441		

Date: Sun, 06 Sep 1998 23:06:02 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>

Subject: [19521] "The Buro"?
Message-ID: <35F34D9A.35C3@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When working DX and they say QSL is OK through the buro, does this mean the ARRL buro? There is more than one, right? I know we have covered this recently but I went through the trash (email) and found no direct answer to this.

Man, the bands are hopping! Is this cool or what? Even worked Finland on 10 meters!
72 de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Sun, 6 Sep 1998 23:20:53 EDT
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19522] Need help with *new* rig... TenTec
Message-ID: <4b0ed93b.35f35115@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Greetings Gang,

Was able to acquire a 100w rig (my first) at Shelby Hamfest this weekend.
Rig : TenTec Omni D Seems to be in GREAT shape. I did get the original book / manual with the rig, (rig only) sure I will have more questions later.

Now... I also got in the deal the following :
Antenna Tuner Model 247
Ultramatic Keyer Model 645
Pwr. Supply Model 252M0

The above is what I am looking for copies of books / manuals.

All of the above rig / equipment was from an estate sale and still had the sales slip with it. All was purchased at the same time, same ham owner.

From what little I have attempted, it sounds great... have not tried to transmitt yet.

Gotta get a better antenna up... my QRP stuff may not handle the big juice. Any help would be appreciated.

URL site for Ten Tec ?

Thanks in advance.

73 de Gordon kf4eib
Greensboro, NC

Date: Sun, 06 Sep 1998 23:19:17 -0400
From: Joel Denison <jdenison@morelr.com>
To: qrp-l@Lehigh.EDU
Subject: [19523] Test Do not Read (waste ur time)
Message-ID: <1.5.4.32.19980907031917.0066d238@mail.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

 this is a test
joel in main testing

Date: Sun, 06 Sep 1998 21:18:04 -0700
From: Dave Willey <dave@cds1.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [19524] Re: Polyvaricon Capacitor
Message-ID: <35F35E7C.7E5C@cds1.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Vincent Ferme wrote to Karl,

Subject: Re: Polyvaricon Capacitor

>Hi Karl,

> What you describe sounds like the variable capacitors used in
> portable AM radios, and also the ZM-2 from EMTECH. Is the
> "scientific" name confusing us? :))

> 73 de Vince, VE3V

Hi All,

I hope this isn't out of line. I know firsthand things get crazy for quite awhile when a family member passes away. (twice now).

But has anyone thought to contact the family of Roy Gregson, W6EMT (SK) who kitted the ZM-2 and asked them if they would be kind enough to let us know where the two section polyvaricaps were obtained? (I'm thinking info from packing slips, order forms etc.)

Seems like there is a need for this info by a number of list members. I know Roy was very helpful to me several months ago when I built up a ZM-2. I'd like to think that he could still be helping us homebrewers through his kids.

--

Dave Willey
E-mail: dave@cds1.net
Amateur E-mail: kd6kwm@cds1.net
Amateur Packet: KD6KWM@KD6KWM.#NCA.CA.USA.NOAM

--

QRP-L #1567

Date: Mon, 7 Sep 1998 00:13:31 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU, nwq-l@scn.org
Subject: [19525] MORE ON HIDDEN ANTENNAS
Message-ID: <341a8d3f.35f35d6b@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Found this gem surfing the other nite on HIDDEN ANTENNAS and condos.
<http://www.gate.net/~donstone/hidden.html>
Alan KB7MBI

Date: Sun, 06 Sep 1998 21:49:38 -0700
From: Dave Fifield <fifield@pacbell.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [19526] Norcal Meeting - Freebie - Information
Message-ID: <35F365E1.2E3F@pacbell.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Norcal meeting today was another success.
I'm sure there will be a full report here and
on the Norcal www site later.

At the meeting, Dave Joseph, WA6BOY, gave out
some ready-made cables with a mini-stereo jack
on each end. They look brand new. Nice one Dave.

I decided to finish off my Norcal paddles kit
and use the cable for it/them. I cut the connector
off one end and to my surprise found that the
cable is not screened at all - it consists of
just 3 wires which are only loosely twisted.

Therefore, if you were lucky and got one of
these free cables, don't be tempted to use if for
low level audio - it will pick up HUUUUUMMMMMM -
but it's perfect for wiring up paddles.

The cable colors are:
Red - tip - dit on my set
White - middle ring - dah on my set
Yellow - Ground - Ground

72, Dave Fifield, AD6AY

Date: Sun, 6 Sep 1998 23:29:19 -0600
From: jaywa5whn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [19527] Labor Day QRP Contests & QRP DX
Message-ID: <19980906.232920.6518.0.jaywa5whn@juno.com>

WOW ! Two QRP contests on Labor Day, Michigan Labor Day cw sprint

<http://www.tir.com/~k8dd/rules97.htm>

and the Adventure Radio Society

http://www.natworld.com/ars/pages/pageone_material/events_idx.html

Separate Subject

I was on 15 meters cw today @ 1912 UTC {Sept. 6}. I had heard UA6JD calling CQ FISTS on 21,057 KHz, with no takers. I had given him a call {5 watts}. Vlad returns and says I am 559. WOW ! Fell out of the chair, heard the characteristic over the pole fluttering tone {cw} and had a grin ear to ear. I had heard C02KK @ 21,061 KHz working a station, so did not bother Arnie, @ 1907 UTC. Between 15 & 17 meters, I did not hear one stateside Station. 10 meters was open too. Even heard a V73 calling CQ on the low end of 10 meters.

72...Jay, WA5WHN DM65qd

AlbuQRPque, NM USA

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 03:01:13 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <fifiield@pacbell.net>
Cc: <qrp-l@Lehigh.EDU>
Subject: [19528] Re: Norcal Meeting - Freebie - Information
Message-ID: <199809070557.WAA25780@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hey Dave I tried using non-shielded cable with my 38S/Tick, RF was triggering the Tick! Was making me crazy, thought it was my paddles..shielded cable instantly solved problem...72 Doug Hauff KE6RIE

> From: Dave Fifield <fifiield@pacbell.net>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Norcal Meeting - Freebie - Information
> Date: Sunday, September 06, 1998 9:49 PM
>
> The Norcal meeting today was another success.
> I'm sure there will be a full report here and
> on the Norcal www site later.
>
> At the meeting, Dave Joseph, WA6BOY, gave out
> some ready-made cables with a mini-stereo jack
> on each end. They look brand new. Nice one Dave.
>
> I decided to finish off my Norcal paddles kit
> and use the cable for it/them. I cut the connector
> off one end and to my surprise found that the
> cable is not screened at all - it consists of
> just 3 wires which are only loosely twisted.
>
> Therefore, if you were lucky and got one of
> these free cables, don't be tempted to use if for
> low level audio - it will pick up HUUUUUMMMMMM -
> but it's perfect for wiring up paddles.
>
> The cable colors are:
> Red - tip - dit on my set
> White - middle ring - dah on my set
> Yellow - Ground - Ground
>
> 72, Dave Fifield, AD6AY
>
>

Date: Mon, 07 Sep 1998 01:11:06 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@Lehigh.EDU>, neil@aade.com
Subject: [19529] AADE L/C Meter IIB Notes de AL7FS (very long)
Message-ID: <35F3A32A.4F2B3A85@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Greetings from Alaska,

(Please keep in mind that this kit worked correctly the first time, I like this meter, and I would highly recommend it to anyone who needs an

L/C meter.)

Earlier this year I built an AADE L/C Meter IIB kit. I had intended to share my notes at that time but events kept me from typing things up and the notes stayed handwritten until now. If there have been updates to the kit since that time, that is good. My notes are six months old.

As a successful OHR WM-2 kit builder (Wow!), I felt I could handle the L/C Meter IIB kit. As it turned out, the kit worked on first power-up but it was far more difficult than the statement in the manual, the unit is indeed simple. I had not accounted for sparse instructions compared to the OHR kit. The following observations and questions arose as I worked through the kit. (Keep in mind I wrote these notes as I worked on the kit. This will explain the verb tense used. Also, my intended audience when I was writing this was the kit provider.(cc: neil@aaade.com)) These notes may help someone who is trying to build this kit.

1. The parts list could be enhanced.
 - a. So far I can't figure out what C2a and C2b are. (They ended up in a separate envelope.)
 - b. Can't find the 10 ufd/10v tantalum. It may be there, just can't tell. (Decided by process of elimination.)
 - c. I admit I don't know how to read capacitor codes that well so why not put the codes on the parts list. (e.g., 1000 pf 2% = 2A102F)
 - d. C2b is apparently hand picked by the kit manufacturer so that c2a + C2b equal exactly 1020 pf total.
 - e. Warn the builder that C2a & C2b are in the little envelope so we don't lose the NPOs.
 - f. There is a 16 pin and an 8 pin IC socket included but not on the parts list.
2. The board is not silk screened and I can only guess the side with the words L/C Meter IIB is the top. The parts layout pictorial shows the L/C Meter II as reverse and grayed out (as though it is on the underside).
3. RLY1 says there is a small circle between pin 1 and 2 printed on the side of RLY1 which must be at the top end of the PCB. There appears to be a zero on the end pin. Is this the corrected pin for pin 1? I assume so.
4. I suggest that additional construction notes be provided. Tell us how to know when we have the right parts. (e.g., U1 is LM311N: the part says KA 311 514; RLY1 is a Hamlin HE 3621A0510-9744)
5. Remove the words The unit is indeed simple . I am not finding this simple. If the manual was more like the OHR, it could be a very simple

kit.

6. Tell us which components should be tipped over. The parts layout tells us to tip the 78L05 and the crystal. Are there other parts to worry about? Don't leave us to guess we have them all.

7. Seems the parts layout provided is not for the L/C Meter IIB. Please update it. Trying to put resistors in was more difficult because trace patterns don't match.

8. Parts layout does not show leads and what holes they go into. I would prefer not to guess or have to trace based on the schematic. It shouldn't be necessary. The parts layout is almost clear enough go the extra effort.

9. C7 & C8 say 20 pf on the schematic and parts layout but 22 pf on the parts list. 22 pf was provided. Update the schematic and the parts layout.

10. Update the AADE phone number to the correct area code and delete the note about changing after 4/97. (I was building this kit in about March 1998.)

11. Update the web page to include pictures of the kit and the kit parts to help with parts ID and construction.

12. Provide a parts layout that shows part numbers. Add an additional diagram for this.

13. C3 Make it clear where the positive side goes. Don't make users figure it out from the schematic and the PC board. It is not clear on the parts layout unless one assumes (tell us) the little plus is on the positive side. (Yes, this is obvious to a seasoned kit builder.)

14. BTW, I am having fun.

15. Spend a penny or two more and make it so we don't have to flip back and forth just to compare parts to the schematic.

16. Why tip the 78L05 over at 45 degrees? It is lower than the capacitors.

17. Construction, Para 2, next to last line, as read: Do no press .
Should read Do not press

18. Construction, para 3, says the short leads go through the PCB. The short leads are the solder (fat) lug leads. The longer leads are the only ones that could possibly go through the PCB.

19. When installing socket for U2 I accidentally flowed solder into an adjacent hole. I hope it is not a problem with option jumpers.

20. Tell us the order to put posts together more clearly. 1st: put stand off on PCB. 2nd: 3 screws to hold PCB to box, 3rd: close case & put on the posts. The order makes a difference.

21. Tell how to put knobs on. These are the buttons, actually, on the side of the kit. It makes a big difference if they are put on wrong and they are hard to get off again.

22. Seems the switch hole could have come closer to being correct. The buttons bind tightly enough to stop movement. I had to disassemble the case and posts and file the opening in the case.

23. Why not just add a paragraph that says Cut the alligator clip lead in the center and attach on the banana plug to each cut end. When using, follow instructions in Stray Inductance and Capacitance section, etc.

24. Manual page 3, the Micro-Computer. The complete schematic is shown in Figure 2. Figure 2 is not provided.

That was the end of my hand-written notes.

Again, the kit worked, I like it, and I recommend it.

73, Jim, AL7FS
Anchorage, Alaska

Date: Mon, 7 Sep 1998 07:05:12 -0400
From: "david r" <elbc@pivot.net>
To: <KF4EIB@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [19530] Re: Need help with *new* rig... TenTec
Message-ID: <000e01bdda4f\$6ed89080\$a23d62ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: KF4EIB@aol.com <KF4EIB@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, September 06, 1998 11:13 PM
Subject: Need help with *new* rig... TenTec

>Greetings Gang,
>
>Was able to acquire a 100w rig (my first) at Shelby Hamfest this weekend.
>Rig : TenTec Omni D Seems to be in GREAT shape. I did get the original
>book / manual with the rig, (rig only) sure I will have more questions
>later.
>
>Now... I also got in the deal the following :
>Antenna Tuner Model 247
>Ultramatic Keyer Model 645
>Pwr. Supply Model 252M0
>
>The above is what I am looking for copies of books / manuals.
>
>All of the above rig / equipment was from an estate sale and still had the
>sales slip with it. All was purchased at the same time, same ham owner.
> From what little I have attempted, it sounds great... have not tried to
>transmitt yet.
>Gotta get a better antenna up... my QRP stuff may not handle the big juice.
>Any help would be appreciated.
>URL site for Ten Tec ?
>
>Thanks in advance.
>
>73 de Gordon kf4eib
>Greensboro, NC
>
Hi Gordon,
You've picked up a good rig.
Ten - Tec is very good at suppling copies of manuals for their old equipment
Their URL is www.tentec.com
also there is a tentec reflector list at
<http://www.contesting.com/tentecfaq.htm>
good luck 73 dave kc1di /qrp

Date: Mon, 7 Sep 1998 13:33:20 +0100

From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU
Subject: [19531] NA Sprint at 30 mWatts
Message-ID: <19980907.133942.16158.1.wd3p@juno.com>

Well I played at the NA sprint at a minimal 30 mWatts. Total take for about 2 hrs work was two QSOs - NY and OH. Both states I have already worked at less power than that so no great addition to the power logs.

I spent the first 45 Minutes on 20 Meters alternating between calling CQ and trying to answer those who called. At 30 mWatts you have to zero beat the station real well, that can be a bit hard with the amount of time you have in this contest. That was the logic of calling CQ. Calling CQ I found I had about 2 min. before one of the power stations came over and grabbed my frequency. Never even got a bite.

The next half hour was spent on 40 Meters doing much the same thing with the same results.

So I left the rig on did a few things, a bit later I heard a loud station in there. Snagged him. Took four repeats for him to get my information.

At that point I kept trying to answer calls. Did finally snag a second. I had a third in there, but after three or four tries at the call he gave up. At that point I decided that it was not really fair to these guys to make them spend so much time digging me out of the mud. They were in it for the score and I was just slowing them down too much so I called it quits about an hour before the contest ended.

Net result was two states, NY and OH, both of which I had a lower power levels than 30 mWatts. I'll have to put the log together and send it in. It was still fun trying the contest at 30 mWatts.

Equipment used: Sierra set at 500 mWatts with a homebrew 12 db attenuator in line to cut the power back to 30 mWatts. Ant: dipole.

Some observations:

1. Many of operators waste a lot of their pwr not zero beating the other station. In general they can get the QSO by being a bit sloppy there and it save them some time. This give the QRP guys a real edge.
2. Real low power, QRPp, does not work well in a contest where there are lots of stations out there. They just don't need to spend the time pulling in the weak stations and doing so lowers their score.

73/72 de Larry.....WD3P.....in MD
WAS with 24.12 Watts total power

Worked all US counties with average power of 59.9 Watts and falling.

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 10:07:25 EDT
From: W3AWqrp@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19532] FS Vibroplex BUG
Message-ID: <c14c6a17.35f3e89d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Vibroplex Original Standard model sn 196xxx. Good condition with vibroplex box, Broadway, NY address. for sale

Thanks
Kirk
W3AW
Springfield. Il

Date: Mon, 7 Sep 1998 10:07:46 EDT
From: W3AWqrp@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19533] FS MFJ MORSE KEYBOARD KEYER
Message-ID: <d712ec96.35f3e8b2@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

MFJ Morse Keyboard Keyer model MFJ-451 with manual, \$50.

Thanks
Kirk
W3AW
Springfield, Il

Date: Mon, 7 Sep 1998 09:05:44 -0600
From: jaywa5whn@juno.com
To: qrp-l@Lehigh.EDU
Subject: [19534] 17 meters @ 1500 UTC Sept. 7
Message-ID: <19980907.090545.13710.0.jaywa5whn@juno.com>

I can only copy 1 stateside stn at this time on 17 meters {1500 UTC}. He is a local {W5ZF}. UA's, DJ's, OK2's & JA's coming through. The VE3RAT beacon on 18,100 MHz is S-7 {ccw 1watt FN03}. Talley Ho...

72...Jay, WA5WHN

DM65qd AlbuQRPque, NM USA

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 11:08:50 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org,
towertalk@contesting.com, antennas@qth.net
Subject: [19535] SCV update
Message-ID: <Pine.GS0.3.96.980907105933.8038A-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since NCJ has now printed the first installment of the 5-part series I did for them, I have placed Part 1 at my site. In essence, it contains the same information that was previously at the site, although recast a bit for the series. In addition, it contains at the end some of the questions to be addressed in future installments, where each of the "family members" receives more individualized treatment. Part 2, devoted to Deltas, will appear in about 2 months with the next issue of NCJ (assuming they hold to schedule--but they may receive a bulge of more immediate content material, which could slow down publication).

Look under lower HF antennas, about the 3rd entry down (dated) in case you wish to review this item.

I have also had over the last year a couple of questions about modeling the Sterba curtain. The easy technique will appear in the October Antenna Modeling column in AntenneX. These columns are accessible as they appear

from the "Antenna Modeling" entry in the "Continuing Series" section of the main index (just above the links to other antenna-relevant sites).

I hope these materials are useful.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	----	/	---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX)	(423)	974-3509
37938-4443	USA	/	\	\	\				cebik@utk.edu
URL: http://web.utk.edu/~cebik/radio.html									

Date: Mon, 07 Sep 1998 15:18:24 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [19536] Re: AADE L/C Meter IIB Notes de AL7FS (very long)
Message-ID: <35F45BB0.73FF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Having built the AADE L/C IIB about one year ago and the OHR WM-2 when it first came out plus having put together two of both units this Saturday for my students to use in a communications course laboratory based on the EMTECH NW40 kit, I agree with Jim (AL7FS) that there is a significant difference between the instructions for the two products. I would suggest reading the all the instructions for the AADE L/C IIB before beginning construction; and it is not what I would suggest as a first time kit without an "Elmer", due to the sparse instructions. The AADE is, however, a very simple kit for an experienced builder, goes together quickly and works VERY nicely. I had no problems with the switch clearance on the three AADE units I have constructed, but the instructions do suggest sandpaper if there is a clearance problem. I found the parts illustration more than adequate to compensate for the lack of a silk screened parts layout, in fact I did not miss the silk screen and had to open one of the units to verify that there was no silk screen.

Unlike the ZM-2 kit there is no metal fabrication. Unlike a typical

NorCal kit there is no need to paint the chassis and label the panel. So the AAE is probably an intermediate kit to which an avid homebrewer would be attracted by its measurement accuracy and low cost (less than half of a B&K digital LCR meter).

On-the-other hand overly detailed instructions can be boring to an experienced builder, but one can always skim read. I respect Dick's OHR manual quality, but I put the second OHR WM-2 together Saturday using only the parts layout and switch wiring information in order to save time. The OHR WM-2 is one of the best QRP accessories available in my humble opinion.

73, Harvey, N6MM.

Date: Mon, 07 Sep 1998 11:35:51 -0400
From: "Allan K. Davis" <allandavis@mindspring.com>
To: olyellr@iglou.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19537] Re: Louisville, Ky., WTB NOW! QRP or QRO
Message-ID: <3.0.1.32.19980907113551.0069c34c@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike,

I do not want to sell any of my qrp rigs, but wouldnt mind letting you borrow a MFJ 9020 QRP transceiver (cw). The only thing you would need is a key, it has the built in keyer and noise blanker. I live in Floyds Knobs, contact me and we can hook up in Lou.

73 Allan

At 12:23 AM 9/6/98 -0400, olyellr@iglou.com wrote:
>Anybody in the Louisville, Ky. area have a QRP rig for sale?
>
>May consider a QRO rig too. Am waiting for my only HF rig to be repaired
>and am having withdrawal syptoms..HI!
>
>Can pick up immediately! Preferably! Sunday if possible. :)
>
>Tnx es 72/73,
>Mike L.
>
>.....
>de AF4LQ
>FISTS #4139

>99% CW OP...for the pure JOY of it.
><http://members.iglou.com/olyellr/>
>.....
>
>

Date: Mon, 7 Sep 1998 16:04:10 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU
Subject: [19538] TS-50 QRP
Message-ID: <19980907.160411.16158.2.wd3p@juno.com>

Can someone point me to URL to modify the TS-50 to QRP.

I want to change the 10 Watt, setting. I know that affects the auto tuner but I don't use one and I do use both the 100W and 50W setting for giving out counties mobile. I just want to be able to work them QRP.

Tnx in advance....73 de Larry.....WD3P in MD
WAS 24.12 Watts total power
Worked all US Counties, average power: 59.8 Watts and falling.....

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 09:13:45 -0700
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [19539] ARRL's new 'zine has QRP items
Message-ID: <19980907161505.GPH01362@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The ARRL's new online magazine for members

url -- <http://www.arrl.org/members>

has a couple of items for the QRP-gang, including an obit on Roy, W6EMT,

and the following review (as described on the site):

"....The Amateur Radio community--and especially QRPers--anticipated the arrival of the SGC SG-202 compact 20 W HF CW/SSB transceiver for several months. First announced to be on the market in September 1997, it finally appeared at the Dayton Hamvention in May. Was it worth the wait? See and hear for yourself...."

Apologies if this info has already been on the list, I'm just back after a couple of weeks of ''postpone.''

Best 73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA
<http://home.att.net/~alan.kaul/qrp.html> w6rcl@amsat.org

Date: Mon, 07 Sep 1998 09:22:07 -0700
From: Lee Hopper <leehop@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [19540] Re: SMD parts source
Message-ID: <35F4082F.EE83924@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Baggy Bob's
Bargain Bonanza
c/o Kim Kelly
507 Broad St
Apt 144
Lake Geneva, WI 53147 Surface mount parts etc.
E-mail: baggybob@townsquare.net

Date: Mon, 7 Sep 1998 12:31:58 EDT
From: JCoote@aol.com
To: qrp-1@Lehigh.EDU
Subject: [19541] Latest QRP radios?
Message-ID: <e24dac1.35f40a7e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I haven't been on QRP-L for a while.
I've heard there are some new kits and equipment to choose from.
Can someone give me a list of all the QRP manufacturers (address & email)?
Thanks,
Jay Coote W6CJ

Date: Mon, 07 Sep 1998 09:44:46 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: phelbert@rica.net
Cc: qrp-l@Lehigh.EDU
Subject: [19542] Re: UTC
Message-ID: <199809071638.JAA13689@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:18 PM 9/6/98 -0400, you wrote:
>I got hasty with the delete key. Yesterday someone asked
>how to convert UTC to his home time which I believe was
>Pacific Daylight Time. Try this URL
><http://www.meteor.wisc.edu/~hopkins/aos100/z-time.htm>
>
>The Bureau of Standards also has a nice booklet on the
>subject of time and time keeping. (Just ask my kids. I
>used to read it to them at bed time.)
>
>Glad folks feel they can ask most anything here.
>

I also have, on my page, a UTC-local time chart, both for Daylight and Standard times. It was set up for the Fox Hunts, and will remain up through the life of the page. You can get there directly by going to <http://www.dancris.com/~ki7mn/utccconv.htm>, or just go to the bottom of my directory and click on time conversion.
Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Mon, 07 Sep 1998 12:00:14 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wd3p@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19543] Re: TS-50 QRP
Message-ID: <35F4111E.F02A2F0E@swbell.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rather than digging into the circuitry and/or adjustments, take a look at using the ALC input to vary the power output. A 9-volt battery, some resistors and a pot will give you a variable negative voltage in the 0 to -4 volt range (standard for Icom and perhaps others also) that you can plug into the ALC input and vary the power output from zero to max. I use that with my 765 and it works very well.

This approach allows you to run enough power for the autotuner to work and then you can just "throttle back" to the desired output. I use a switch and a pot on my setup, but you can easily build it with separate switches for various output power levels for operating convenience.

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) 33.2 N 96.6 W EM13RE
QRP-L QRP-ARCI FISTS NORCAL ARS 10-X ICQ 16819496

Larry Cahoon wrote:

>
> Can someone point me to URL to modify the TS-50 to QRP.

Date: Mon, 07 Sep 1998 12:00:50 -0500
From: Mike Manship <mjmanship@iquest.net>
To: qrp-l@Lehigh.EDU
Subject: [19544] K2 QSK characteristics ?
Message-ID: <3.0.2.32.19980907120050.00691174@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Quoting from a message posted on the Ten Tec reflector:

"Be very careful of the K2 as I hear it has very poor QSK."

Does this person know of what he speaks ? Where did he hear this ?

Mike W9OJ

Date: Mon, 7 Sep 1998 12:08:39 -0600 (MDT)
From: marion@montana.com
To: qrp-l@Lehigh.EDU
Cc: cw@qth.net
Subject: [19545] Items for sale
Message-ID: <199809071808.MAA06445@paw.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Kenwood TS130SE, 500hz CW filter. \$450.00 shipped in US.
MC-50 desk mic. \$50.00 shipped in US
VFO-120 external VFO. 85.00 shipped in US.
DFC-230 digital external VFO. 125.00 shipped. SOLD
Quick Mount for ts130/120. 35.00 shipped, or 25.00 if bought with TS130
above. Ten-Tec 6mtr FM rig. 100.00 shipped.
Thanks. Roy AB7CE

Date: Mon, 07 Sep 1998 09:33:48 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19546] Re: Strange deletion in AADE L/C Meter IIB Notes
Message-ID: <35F418FC.8686721@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just scanned my message. All of the punctuation marks except for periods and question marks are gone! No quotes, no dashes. Weird. I wrote the item up in MS Word and then cut and pasted the info to the email. I don't know what happened but please excuse the added difficulty in readability. I will have to practice with the process to see if I can figure out what happened. Maybe a font thing.

73, Jim, AL7FS

Jim Larsen (AL7FS) wrote:

> Greetings from Alaska,
>
> (Please keep in mind that this kit worked correctly the first time, I
> like this meter, and I would highly recommend it to anyone who needs an
> L/C meter.)

Date: Mon, 7 Sep 1998 10:45:00 -0700
From: "Radman" <radman@best.com>
To: <wd3p@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19547] Re: TS-50 QRP (adjustment)
Message-ID: <199809071742.KAA14728@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Larry et al,

Here's the URL for adjusting the "low power" setting on
the TS-50 to 5 watts.
It's a very simple process that involves adjusting one pot
-- VR-15 -- to the desired RF output level.
I've performed this one myself... works fine.

URL:
http://home.sol.no/~anderskv/files/radio/mods/kenwood/ts-50_qrp.txt

If someone needs full text let me know,

GL- 72 Conrad Weiss - NN6CW

Date: Mon, 7 Sep 1998 11:35:39 -0700
From: w7cd@juno.com (Robert L Farnworth)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [19548] Kits have been sold
Message-ID: <19980907.113600.12566.2.w7cd@juno.com>

The kits are sold, thanks for your response. Bob

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 14:26:12 -0400
From: w4bws@juno.com (Donald E Sanders)
To: ARDUJENSKI@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [19549] Re: MORE ON HIDDEN ANTENNAS
Message-ID: <19980907.144302.21054.2.W4BWS@juno.com>

I recently put a hidden antenna under the eve overhang of a friends two story townhouse. We mounted a SGC remote antenna tuner under the eve at the prak and fed a wire as long as possible down from the eve to the corner and then along the edge of the roof. It loads on 80 thru 10 and he gets out very well. great antenna for a restricted area.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Mon, 7 Sep 1998 00:13:31 EDT ARDUJENSKI@aol.com writes:
>Found this gem surfing the other nite on HIDDEN ANTENNAS and condos.
><http://www.gate.net/~donstone/hidden.html>
>Alan KB7MBI
>
>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 12:15:00 -0700
From: we6w@juno.com
To: larsennc@alaska.net
Cc: qrp-1@Lehigh.EDU
Subject: [19550] Re: Strange deletion in AADE L/C Meter IIB Notes
Message-ID: <19980907.121547.3830.0.we6w@juno.com>

I found it very readable and a great piece of work, Jim!
Good job. Very well written and a great contribution.
I Hope it helps the kit building process for all.
-Ed WE6W

On Mon, 07 Sep 1998 09:33:48 -0800 "Jim Larsen (AL7FS)"

<larsennc@alaska.net> writes:

>I just scanned my message. All of the punctuation marks except for
>periods
>and question marks are gone! No quotes, no dashes. Weird. I wrote
>the
>item up in MS Word and then cut and pasted the info to the email. I
>don't
>know what happened but please excuse the added difficulty in
>readability. I
>will have to practice with the process to see if I can figure out what
>happened. Maybe a font thing.
>
>73, Jim, AL7FS

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Date: Mon, 7 Sep 1998 12:31:15 -0700
From: we6w@juno.com
To: qrp-1@Lehigh.EDU
Subject: [19551] Contest times today???
Message-ID: <19980907.123116.3830.2.we6w@juno.com>

Gangue, I've looked everywhere, can someone post to
the list the two contest times and exchanges today??

(That way everyone will know and my mailbox won't overflow :)

Thanks!!!
-Ed WE6W <mailto:we6w@juno.com>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 15:56:30 -0400
From: "Beaks" <beaks@westco.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>

Subject: [19552] Index low audio, THANKS!!
Message-ID: <004301bdda99\$9bd1a0a0\$d64ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who took time to drop me a line on the SSB output power on SSB. Seems the general opinion was that the 1-2 watts was normal for this rig on SSB and long as it was making contacts not to worry about the meter readings, I can live with that! Also, the raspy audio seemed to be caused but the closeness of the twin lead feedline coming into the tuner (rf), anyway, after moving things around abit the audio was OK.
Thanks again all
Arch N8EAG

Date: Mon, 07 Sep 1998 19:47:25 -0700
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [19553] Contest info for Ed and others
Message-ID: <35F49ABD.173E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michigan Labor Day Sprint:
September 7-8 2300-0300Z
Exchange RST+state/prov+Mich QRP Nr or pwr in watts.
Full info at: <http://www.tir.com/~k8dd/rules97.htm>

Spartan Sprint:
September 8 0100-0300Z
Exchange RST+state/prov+pwr
Full info at:
http://www.natworld.com/ars/pages/spartan_sprints/ss_rules.html

Note: There is a two hour overlap between the two contests. The Spartan Sprint folks will accept the Mich QRP exchange in place of their normal exchange according the a post earlier by Russ, AA7QU

Good sources on contest information are:
<http://www.dancris.com/~ki7mn/contests.htm>
<http://www.primeret.com/~scdxc/contestcal.html>

If you really feel compelled to fill up your bookmark file I have a humble little listing at:

<http://home.earthlink.net/~n6mm/contests.htm>

73, Harvey, N6MM

Date: Mon, 07 Sep 1998 14:55:54 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-l@Lehigh.EDU
Cc: bensondj@aol.com, rsorge@phoenix.net, n7kt@earthlink.net
Subject: [19554] Elmer101: SW30+ Tuning range, T1 peaking & Offset = Fixed
Message-ID: <3.0.3.32.19980907145554.006d8edc@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This list is great.

Last week i mentioned that i although my SW30+ was working nicely, I wanted to touch up a few things. I got answers for the 2 parts I wasn't sure about:

1) Transmit offset was too high --> high pitched side-tone that is difficult to zero-beat with (i'm rather tone-deaf).

thanks to Dave, NN1G, and Bob, KC5FMZ for their similar suggestions. I changed C18 in the transmit oscillator. for those interested:

C18	SideToneFreq (Hz)
150pf	1020
180pf	877
270pf	780 <-- i can live with this

2) When peaking T1, I 'bottomed out' the slug, so i wasn't sure if i had reached 'the peak'.

thanks to Roger, N7KT, for suggesting adding capacitance across the output of T1. He suggested 22pF, but I wimped out and added 8.2pF, enough so now at peak i'm 1/2 turn above bottom.

3) I changed C7 from 68pF to 60pF (33pF paralleled with 27pF). Along with the very limited amount of freedom i had in widening spacing of L1 i moved my tuning range:

68pF	--->	10.089	-	10.122
60pF	--->	10.0986	-	10.132

widening the coil spacing of L1 was responsible for 2 or 3 of those kHz.

Cool rig, and what a deal! Learned bunches from the On-Line Elmer101 class, and have a real nice 30m radio all for about \$60 (including cost of a small TenTec enclosure). I'm planning on getting the K2 when released, but there will always be a role for this radio.

72,
--adam, n2brt

Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu ARRL:RSGB:QRP ARCI:NorCal:QRP-L:G-QRP:CQC
** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

Date: Mon, 7 Sep 1998 13:01:19 -0700
From: we6w@juno.com
To: ku7y@dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [19555] Re: Contest times today???
Message-ID: <19980907.130120.3846.1.we6w@juno.com>

Got one of them:

MI/QRP Sprint: 2300-0300Z Sept. 7/8 1998.
Exchange : RST/SPC/MI-QRP number or Pwr Output.

Example: 559 CA 5W

Still one more folks??

NOTE:SPC is State/Province/Country code.

-Ed WE6W

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 07 Sep 1998 15:04:58 -0500 (CDT)
From: "Jeff M. Gold" <JGold@tntech.edu>

To: qrp-1@Lehigh.EDU
Subject: [19556] ts570D help-tnx
Message-ID: <01J1J24T20HE8X7BBK@tntech.edu>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

just wanted to thank all those that emailed and just in case share info I found out.

The TS570 has a known bug where the Lithium battery that is suppose to last 5 years can go out after 6 months. Mine did. The memories all reset and when you turn on the power supply, the rig turns on without hitting the on button.

At first I took everythin but the head off and couldn't find the battery. with help of group and one posting on the internet, I found all I needed to do was take an additional 4 screws out of head unit, and carefully pull it away. With power from supply still on, you just push out battery, which is spring loaded, and replace with \$2.79 Radio Shack battery. Took about 7 minutes total labor.

I got the email address of a authorized Kenwood dealer, from back of QST, one other person recommended him. He said he would be glad to fix it, should only take about 1.5 hours labor= about \$100. Not sure if this included some mod to prevent this from happening again. bottom line for 7 minutes labor and \$3 including local tax and then few minutes reprogramming memories.. and not having to ship off rig, will take my chance.

Group's help once again saved me.

thanks to all

72
Jeff, AC4HF

Date: Mon, 07 Sep 1998 16:07:40 EDT
From: k7sz@juno.com (Rick Arland)
To: qrp-1@Lehigh.EDU, qrp@qth.net
Subject: [19557] Low Power Communications Vols 1-3 Now Out of Print!
Message-ID: <19980903.075957.6807.6.k7sz@juno.com>

Since the first of this year, Tiare Publications, the publishing house that handles my three volumes on QRP and other radio related books, has

been steadily phasing out their selection of book titles. Last week, it was my turn. While strictly unofficial, it is the general consensus of many of us in the radio hobby, who also wrote for Tiare Pubs, that they are going out of business.

I managed to procure the last remaining copies of "Low Power Communications", Volumes 1, 2, & 3 that Tiare had printed.

I have for sale, a very limited number of three volume sets of "Low Power Communications" at a tremendous savings over retail. If you are interested, please e-mail me privately for prices and ordering information. These are the original manuscripts which received outstanding reviews in QST, Radcom, QRP Quarterly and CQ.

Once these are gone they are gone for good. There are no plans to have them reprinted or reproduced. Each set will be autographed and shipped Priority Mail within 24 hours of receipt of payment.

Sorry, I won't split up full sets for fills. If there are any odd volumes left over after the sets are sold, I will offer these as fills to those who are missing a volume.

73 Rich Arland, K7SZ

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 15:11:07 -0500 (CDT)
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [19558] Re:humor
Message-ID: <199809072011.PAA20606@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Guys,
Could anybody forward me the sentences that one could paste into Microsoft Word and get funny outputs in the thesarus? I want to send them to a friend but I was too quick with the "Delete" key. Thanks guys.

73,
Arnold kd5ckh

Date: Mon, 7 Sep 1998 13:16:17 -0700
From: we6w@juno.com
To: qrp-1@Lehigh.EDU
Subject: [19559] JUNO QRT Me Soon!
Message-ID: <19980907.131619.3846.0.we6w@juno.com>

Folks, from the "Didja Know" department:

Juno standard notification messages come up on screen every now/then. I just received this UNKNOWN LIMITATION message:

"This message is to inform you that you are approaching the limit for the maximum times a member can access Juno's central computers. Once this limit has been reached you will be unable to check your email for 24 hours."

(Paraphrased by me as best I can recall cuz the message was only on screen and I hit "OK" too fast.

Ok, They never told me about maximum message sizes. Maximum number of messages. Maximum accesses.

what next? Do I have to order so much a year.

Free my eye.

But it is a nice "starter" service. If ya'll don't mind, I'm apologizing ahead of time if I can't email responses. Don't know when the ribbon gets cut by juno.

See ya on 7040 or 14060 or 21.060 or 21.158 Slow chat CW. Never on Voice/SSB.

G1 to all in the fun contests.

Oh, there are bonuses for homebrew and 4 power classes,
but I work the tests for fun.

72/Ed WE6W

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 16:30:14 -0400
From: "Beaks" <beaks@westco.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [19560] Contests
Message-ID: <000d01bdda9e\$526b65e0\$a44ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Been debating sending this message as I didnt want to open up a can of worms, but here goes anyway. Why are there always so many contests, whats wrong with just operating? Yes I know its a chance to work new ones and all that but that being the case, I might enjoy the tests more if it wasnt so fast, I mean 20+ wpm after a few contacts gets to be too much like work and I lose interest and move on to something else. I know there is no changing things in the bigger tests, but here on some of the smaller QRP tests and sprints what about one with a reduced speed, sort of a speed limit? I know the idea is to work as many in the time frame as possible but maybe some of us folks who are not die hard testers would be more supportive and participate if the pace was a little more relaxed. Maybe you could get X number of points to begin with for staying below a certain speed? I love to work CW and going on 23 years at it now, but at this stage of the game the high speed stuff just is not enjoyable to me and it seems anymore that when a test is going on I will just pull the plug or go to 30. Just thinking out loud....
Arch N8EAG

Date: Mon, 7 Sep 1998 16:31:47 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [19561] FS: New Tennatest R.F. Bridge
Message-ID: <014a01bdda9e\$891fea20\$902d8118@6626hvt5p091.se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New in the box, Tennatest 1-150MHz R.F. Impedance Bridge with connectivity pack, and all manuals. Battery operated portable unit perfect for complex measurements or any QRP outing too. Purchased five years ago and never used. \$60 + shipping from Jacksonville, FL.

-Paul, W9AC

Date: Mon, 07 Sep 1998 16:41:25 -0400
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19562] Need O'scope recommendations
Message-ID: <35F444F5.72652B25@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue,

I have need of a better O'scope for qrp work. (The old heathkit 10-18 may live on as the display for a spectrum analyser if I get one built.)

I know there were some Tektronics scopes which had very good reputation for reliability and maybe a few which got reputations for not being very good.

Please enlighten me by commenting on any of the following (of other suggestions):

Tektronics 323

Tektronics 335

Tektronics 422

Tektronics 453

Tektronics 453A

Tektronics 454

Tektronics 464A

Tektronics 455

Tektronics 465

Tektronics 465B

Tektronics 475

Tektronics 475A

HP 1710B

HP 1715A

HP 1740A

Thanks, Paul, Wv3j (Still asking questions).

Date: Mon, 7 Sep 1998 17:01:47 EDT
From: RobCap@aol.com
To: HEATH@LISTSERV.TEMPE.GOV, qrp-1@Lehigh.EDU
Cc: bowlingalley@juno.com
Subject: [19563] For Sale: Unbuilt, Unopened Heath Code Oscillators
Message-ID: <1e5a28ea.35f449bb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi:

AB8CJ asked if I wanted to purchase an unbuilt code oscillator. He apparently has fifteen of them! I already have one in my collection, so I don't need another. However, I offered to post a message for him on both the Heath and QRP reflectors, for anyone who might like to purchase one or more of the kits. Please send your e-mail reply directly to AB8CJ. Contact info is provided below, along with the pertinent details. I'm sorry, but I have no further

information.

73,

Rob, W3DX

Info follows:

FOR SALE: Unassembled Heath ED1416H Code Practice oscillators. I have located 12 complete, unopened kits, and 3 in open boxes. Price: \$35.00 each and you pay shipping. Price breaks available if you buy in quantity.

Please respond to : bowlingalley@juno.com

Thanks,
Doug Bowling AB8CJ

Date: Mon, 07 Sep 1998 14:20:54 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: k7sz@juno.com (Rick Arland)
Cc: QRP-L@Lehigh.EDU
Subject: [19564] Re: [QRP] Low Power Communications Vols 1-3 Now Out of Print!
Message-ID: <3.0.32.19980907142048.006970d8@popd.netcruiser>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:07 PM 9/7/98 EDT, you wrote:

>Since the first of this year, Tiare Publications, the publishing house
>that handles my three volumes on QRP and other radio related books, has
>been steadily phasing out their selection of book titles. Last week, it
>was my turn. While strictly unofficial, it is the general consensus of
>many of us in the radio hobby, who also wrote for Tiare Pubs, that they
>are going out of business.
>
>I managed to procure the last remaining copies of "Low Power
>Communications", Volumes 1, 2, & 3 that Tiare had printed.
>
>I have for sale, a very limited number of three volume sets of "Low
>Power Communications" at a tremendous savings over retail. If you are
>interested,
>please e-mail me privately for prices and ordering information. These are
>the
>original manuscripts which received outstanding reviews in QST, Radcom,
>QRP Quarterly and CQ.
>
>Once these are gone they are gone for good. There are no plans to have

>them reprinted or reproduced. Each set will be autographed and shipped
>Priority Mail
>within 24 hours of receipt of payment.

Rich, I can say proudly that I'm glad to have your set of three classic QRP books, especially with their going out of print.

Thanks for the fine work, and for letting the QRP community know about the problem.

72 de Jim - AD6CW

Date: Mon, 7 Sep 1998 17:33:52 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [19565] HomeBrew SW?
Message-ID: <000001bddaa7\$357510e0\$a8241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It occurred to me that many new 'modifications' to the ever-increasing world of microprocessor controlled radios will be software changes.

So, if one were to completely remove the firmware of a particular radio, and write his own, would that be considered as much 'homebrew' as a physical modification in a radio such as reducing output power, or adding squelch to AM on an all-mode rig?

My Kenwood TS-680 had a wonderful mod to allow the slider control for output to range from 50mW to full output. As I was looking through it, I noticed that the controller in the radio is Z80, and the controller chips are 8255's!

There's scads of z80 compilers and decompilers out there. Anyone done any programming for these kinds of radios? I'm sure quite a line of Kenwoods including the 140 and others use the same strategy.

Seems like many things could be done with a radio like this ... curious if anyone else had similar ideations or possibly tried it??

Tracy N4LGH

QRP-L #1453

Date: Mon, 07 Sep 1998 16:31:20 -0600
From: Mike - W0TMW <crucis@sky.net>
To: JGold@tntech.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19566] Re: Kenwood Service Help
Message-ID: <35F450A8.465623C8@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff,

Been there, had that problem with my TS-570S. This is a flaw that discharges the lithium battery in about 2 to 4 months. Good news! There is a fix and your warranty will cover it. I replaced my battery 3 times before I sent it to Clif@AVVid. He took care of it. It's fairly easy to fix, but if your rig is still under warranty, let Clif do it.

Clif's email is:

avvid@onramp.net

Mike - W0TMW

Jeff M. Gold wrote:

>
> Well hoping this learned group can help.
>
> My almost new 570D went south on me yesterday. first notice a
> complete memory reset. Then noticed when I leave power supply off
> for a while and then turn on.. the rig turns on without me pushing
> the power button. everything resets and works fine. If I turn
> power button off and then turn power supply off and don't leave it
> off too long, everything ok. Leave power supply off for a while..
> same reset. Only things I can figure out is the Lithium battery is
> dead or not doing its job and that the power button is somehow
> works with microprocessor and the chip remembers last state.. so
> when resets thinks it is on.
>
> look in manual.. they don't give clue where battery is and say you
> have to send radio back to get it replaced..suppose to last for 5
> years.. maybe Kenwood means dog years or something.

>
> anyone know if I am on right track, where a good authorized place
> to get this fixed, or where the battery is and can an normal human
> change it.
>
> thanks
>
> 72
> Jeff, AC4HF

--

=====
Mike Watson, W0TMW QCWA Mbr # 28651, Chap. 35
Raymore, MO USA Grid: EM28st ARCI# 9647
<http://www.sky.net/~crucis/linklist.htm>
E-mail: crucis@sky.net ARS# 352, QRP-L# 1489
=====

Date: Mon, 07 Sep 1998 16:32:51 -0500
From: Jay Bromley <w5jay@alltel.net>
To: mjmanship@iquest.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19567] Re: K2 QSK characteristics ?
Message-ID: <35F45103.C0B323CC@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

I got to operate the K2 at Dayton with headphones on and near some very loud signals at the hotel. The QSK is as good or better than any QRP rig out there, period!! It blows 100 watt rigs like the Omni VI plus, TS-950SDX, TS-870, FT-900, and the FT-1000D, MP, ect. All of which I have a lot of experience using QSK with headphones.

Its not to say the above rigs are bad. But when you operate rigs like the Oak Hills 100A, NC-40A, and the Sierra you get pretty spoiled.

I wish I knew what experience this person had or what rig he was comparing it to. Just thought of a few more rigs I have used, some are on that reflector ----- Nope they don't cut the mustard either.

Also keep in mind that this was a rig still in development when I got to use it. I asked Wayne if we could fire it up into a real antenna and let me use headphones for this very reason. Some people are very forgiving about their QSK, especially when using speakers. I personally

like using headphones while I am in QS0. So I appreciate Wayne and Eric for putting up with me after mid-night so I could see for myself.

Last year when Wayne was getting input about what we would like in a QRP rig I sent an e-mail asking for a rig that had QSK of a QRP rig but a receiver that I could contest on. To me its just not the same contesting QRP on my 950SDX. From what I listen to at Dayton Wayne and Eric have something to be proud of. Now if they could add rig control so it will interface to my computer (I use NA for contesting software) the rice box will be collecting a lot of dust the next contest season.

My first QRP rig was an Index and I thought I was in Hog QSK Heaven till I built a NC-40A. Now the Index is in the bedroom and I don't know when the last time I made a contact on it. You can make a few changes to the above QRO rigs and make them better than the Index but still come up short against a real QRP rig like the K-2.

Just my opinion

73 de w5jay or

just Jay..

Send me your noisy keys, they can make all the racket they want to here!!

Jay Bromley

Fort Smith, AR.

Mike Manship wrote:

> Quoting from a message posted on the Ten Tec reflector:

>

> "Be very careful of the K2 as I hear it has very poor QSK."

>

> Does this person know of what he speaks ? Where did he hear this ?

>

> Mike W90J

Date: Mon, 07 Sep 1998 14:01:17 -0800

From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>

To: "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>

Subject: [19568] Elmer 101: SW40+ L3 and L4 question(long) de AL7FS

Message-ID: <35F457AC.B68F4F4B@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All is well so far on my SW40+. I have only L3 and L4 left to install. In the Elmer notes the suggestion was made by K5F0 to add one more turn to L3 and L4. This was based on theory and not on actual rig experience.

Has anyone done this? Did it seem to work out ok? The idea was that this would reduce the 2nd order harmonic by up to an additional 4 db. (~-30 vs ~-34 db).

I was going to fire up the rig tonight and try for a contact but I am not in a big rush. (How can I be in a rush, the rest of the class is done. :-)) So, I think I will fish for feedback on these last two items before I melt solder.

Thanks,

73, Jim, AL7FS

=====

Before I hit the send button, I did a search of my message archive and found Gary's comments. Mostly these have to do with the SW30+ and he only modified L4, or so it seems. Gary, any comments on L3 and L4 for the SW40+. Should I just add one to L4 only?

Subject: SW30+: L4, not L3
Date: Wed, 12 Aug 1998 21:52:56 -0700
From: gsurrency@juno.com (Gary L Surrency)

Gang,

It seems that when I wrote up the documentation of the mods for the SW30+, I inadvertently mis-identified the inductor in the low-pass filter that gets an extra turn.

I should have said that *L4* gets one extra turn, *not* L3. That makes for 16 turns on L4. L3 is still 15 turns.

Try it with 15 turns as specified in the manual. Then, if you want to see what improvement, if any, the extra turn makes - you can easily add it

later. In my rig, the extra turn made for a better match and power transfer to both my 50 ohm dummy load and a resonant 30m antenna. The result was several hundred milliwatts additional output with no observed degradation of the spectral purity.

Seems I did the same thing with L3 and L4 in the mods for the SW40+.
So if you also have that info, the extra turn is to be added to L4,
not
L3. This is the toroid that is closet to the PA transistor, and that is
probably why I identified it as L3 on the schematic, and not L4 as it
actually is. The parts placement threw me off! ;-)

72, and sorry for the error.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Date: Mon, 7 Sep 1998 17:11:26 -0500 (CDT)
From: Roger Braker <msebrakr@telepath.com>
To: qrp-l@Lehigh.EDU
Subject: [19569] Re:humor
Message-ID: <199809072211.RAA15970@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks guys, I got the sentences.

73,
Arnold

At 04:29 PM 9/7/98 -0400, you wrote:
>On Mon, 7 Sep 1998, Roger Braker wrote:
>
>> Could anybody foward me the sentences that one could paste into Microsoft
>

Date: Mon, 07 Sep 1998 14:12:38 -0800
From: "Jim Larsen (AL7FS)" <larsennc@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>
Subject: [19570] Re: Elmer 101: SW40+ L3 and L4 question(long) de AL7FS
Message-ID: <35F45A55.C2F940C1@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If I keep this up I will have my own answer. I kept scanning my files and stumbled on to another of Gary's posts.

Subject: SW40+: Increasing the output power
Date: Tue, 16 Jun 1998 16:47:21 -0700
From: gsurrency@juno.com (Gary L Surrency)

....."
I added one turn of wire to L4 to alter the low-pass filter slightly.
Chuck Adams mentioned something about this in a SPICE posting. Adding a
turn
to L3 didn't help the output or spectral purity. L3's 16 turns are evenly
distributed around the entire core just like L4's 17 turns.....
Gary Surrency AB7MY...."

Any other comments from SW40+ builders?

73, Jim, AL7FS

Jim Larsen (AL7FS) wrote:

> All is well so far on my SW40+. I have only L3 and L4 left to install.
> In the Elmer notes the suggestion was made by K5F0 to add one more turn
> to L3 and L4.....

Date: Mon, 07 Sep 1998 18:21:25 -0400
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: larsennc@alaska.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [19571] Re: Elmer 101: SW40+ L3 and L4 question(long) de AL7FS
Message-ID: <35F45C65.92616F35@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim,

It's much easier to take a turn off than to add one, so if
there's a chance you'll be checking it both ways...

Paul, Wv3j

Date: Mon, 7 Sep 1998 16:21:56 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [19572] RE: Need O'scope recommendations
Message-ID: <5103124387F8D11199DD00A0C925E4B9162B@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

My favorite source for test equipment is Coppes Electronics, in Bisbee, AZ. The prices and service are as reasonable as any I have found.

You need more bandwidth than you think... that's the first rule. The specified BW of a 'scope is its -3 dB point, which is 30% error. As a good rule of thumb, you want a scope with 5X the bandwidth of the highest frequency signal you want to look at... so 150 MHz if you want to measure sigs at 30 MHz. (See QST, July, '76).

There is so little difference in prices on older scopes, I wouldn't bother with the very old models. In a portable scope, go for the 465/465A or the 475/475A. Any of the 7000 series will be fine, as well. I use a 7603, and have the diff amp plug, so I can go down to 10 microvolts/div, conventional dual trace plug, and such, for about the same price as a portable.

If you need scope manuals, see Deane Kidd, W7TYR. He has the world's largest collection, and sells copies at reasonable prices.

-----Original Message-----

From: Paul Helbert, Wv3j [mailto:phelbert@rica.net]
Sent: Monday, September 07, 1998 2:41 PM
To: Low Power Amateur Radio Discussion
Subject: Need O'scope recommendations

Gangue,

I have need of a better O'scope for qrp work. (The old heathkit 10-18 may live on as the display for a spectrum analyser if I get one built.)

I know there were some Tektronics scopes which had very good reputation for reliability and maybe a few which got reputations for not being very good.

Please enlighten me by commenting on any of the following

(of other suggestions):

Tektronics 323

Tektronics 335

Tektronics 422

Tektronics 453

Tektronics 453A

Tektronics 454

Tektronics 464A

Tektronics 455

Tektronics 465

Tektronics 465B

Tektronics 475

Tektronics 475A

HP 1710B

HP 1715A

HP 1740A

Thanks, Paul, Wv3j (Still asking questions).

Date: Mon, 7 Sep 1998 14:26:24 -0900

From: Bruce Hopkins - KL7JAF <kl7jaf@eagle.ptialaska.net>

To: qrp-1@Lehigh.EDU

Subject: [19573] MI Labor Day Sprint

Message-ID: <v03007804b21a1a80a801@[208.151.121.20]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Gang...

The bands have been very good the last few days here in the Arctic...

10m is still not opening up at my northerly latitude but is showing some signs of life... I heard one CW signal at the low end of 10m, no beacons, and one SSB bandit in the CW portion of the band... 24 Mhz is marginally active... 15 & 20m are hot...

I plan to be on for at least a few hours of the MI contest and will start on 15m a KC or two up from 21.060... When conditions warrant I will then move to 20m... Take care and have fun... Hope to work lots of you today on the test... The spots are coming... 8^)

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>

Date: Mon, 7 Sep 1998 17:44:41 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [19574] Antenna stuff & un hombre muy viejo con alas enormes
Message-ID: <19980907.174459.9238.0.nilsbull@juno.com>

Fellow sufferers,

I was out playing with wire this morning before it rained (and before Ian, the oldest, came over to chow down with us), tying one leg of the 40m perverted V to another & playing around on 17m. I figured out that some of what I did makes sense. The rest of it is up for interpretation . . . & other stuff.

So while I was watching the Cuban film version of the Garcia Marquez story "A very old man with enormous wings," I had a chance to let the antenna ideas sit down to talk with the story line of the film. The usual stuff: life, chances, changes, chicanery, Pablo Milanes singing a song about caring for each other, la mujer ara al, stuff like that.

Here's the deal: The 40m V is/was fed with RG8 to one of those plastic pipe balun deals that I had laying around. Tying the two legs together with a chunk of wire that's just over 8 ft off the ground let me tune it (as I had before) on various frequencies. It was interesting 'cause I was able to hear 17m DX sigs maybe better 'n before. I say "maybe better" 'cause I ain't got no fancy test or memory gear to be anything more than subjective. Kinda like the old guy & the so-called miracles . . . or the

so-called exorcism . . .

If I were cool, I'd feed the wire with 300 Ohm open wire or TV twin lead or something so it would tune different & maybe work better. But . . .

Should I feed it at the bottom of the triangle, in the middle of what is the long, horizontal section & thus not use any 300 Ohm or twin lead at all? Or should I feed it with the twin lead to the top, the apex, about 35 ft off the ground? Will my signals have lower angle with the bottom/middle of the horizontal feed? Will the old man really ever fly? And why did the little boy Hoover off the ground with little humming noises like a humming bird makes?

Operators are standing by. I got another radio web page idea to finish. The rooms will fill up with memories & giggling ghosts.

73

Nils

. . . I think I'll watch the short version of Don Segundo Sombra next .
. . and think of how someone could make a film of the Francisco Coloane story "The Bottle of Ca a."

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 7 Sep 1998 17:31:55 -0500
From: "Juan David Zuloaga" <hk4bmg@epm.net.co>
To: "QRP-L LIST" <qrp-l@Lehigh.EDU>
Subject: [19575] HF FREQUENCY METER
Message-ID: <199809071226.RAA21082@lauta.epm.net.co>

Hello all,

I would like to add frequency meter to a DC receiver, I remember seeing frequency counter designs with just a couple of IC somewhere and I can't find them now. Does anyone have such a design? Does anyone know where to find the schematics? or has them so I can receive them via EMail? I can receive attachments.

Thanks in advance

Juan Zuloaga
HK4BMG

Date: Mon, 07 Sep 1998 05:54:04 -0700
From: Lisa Osier <osier@northnet.org>
To: qrp-l@Lehigh.EDU
Cc: osier@northnet.org
Subject: [19576] MI QRP TEST
Message-ID: <35F3D76C.3C80@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang!!!!

Will be up on novice 40m looking for a empty spot...
hope to see some of you up there.....!!!!!!
Good Luck all.....!!!!!!

73/72s

GEORGE OSIER N2JNZ

End of QRP-L Digest 1207

